

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 79-89

WASTE DISCHARGE REQUIREMENTS FOR:

CHRISTIAN BROTHERS MONT LA SALLE VINEYARDS  
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. Christian Brothers Mont La Salle Vineyards submitted a Report of Waste Discharge dated December 12, 1978, and provided additional information by letter dated March 1, 1979, and by phone on May 16, 1979.
2. Christian Brothers Mont La Salle Vineyards, hereinafter called the Discharger, reports:
  - a. The discharge is an estimated 15,000 gallons per day of combined domestic and industrial waste. The domestic waste is generated by 65 employees, an average of 100 visitors per day, resident grammar school and adult community totaling about 112 persons, and approximately ten school resident employees. The industrial waste is from a wine tank washing operation. No crushing occurs at this facility with only wine storage and finishing cellars.
  - b. Domestic waste passes through two septic tanks with approximately 650 feet of leach lines. Some waste is disposed of in the leach lines and the remainder combines with industrial waste and passes through a series of three aerated oxidation ponds. There is a constant recirculation of 50 gallons per minute from pond three to pond one. The ponds have a surface area of 68,150 square feet and a storage capacity of 4.7 million gallons.
  - c. Waste is treated in the ponds and stored during wet weather. During dry weather, the Discharger proposes to pump the effluent at an estimated rate of 7,500 gallons per day from pond three to spray irrigate 1½ acres of brush.
3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa River and Redwood Creek.
4. The beneficial uses of the Napa River and Redwood Creek downstream from the spray irrigation and disposal area are:

- a. Domestic water supply for irrigating family gardens.
  - b. Agricultural water supply for stock watering, irrigation and frost protection.
  - c. Water contact recreation.
  - d. Fish migration and habitat.
  - e. Preservation and enhancement of fish, wildlife and other aquatic resources.
  - f. Esthetic enjoyment.
5. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
    - a. Domestic water supply.
    - b. Agricultural water supply.
  6. As this project is adoption of waste discharge requirements for an existing discharge, this Board pursuant to Water Code Section 13389, is not required to comply with the provisions of Chapter 3 of Division 13 of the Public Resources Code (California Environmental Quality Act).
  7. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
  8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, that the Discharger shall comply with the following:

A. Effluent Limitations

1. Waste at the surface of treatment ponds shall meet the following quality limits at all times:

In any grab sample:

Dissolved Sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum
pH	6.5 minimum
	9.0 maximum

2. A minimum freeboard of at least 1.0 foot shall be maintained in the oxidation ponds.

3. Waste as discharged to the spray disposal area shall meet the following quality limits at all times:

In any grab sample:

5-day BOD	40 mg/l maximum
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4. The public shall be effectively excluded from the waste treatment and spray disposal area.
5. The oxidation ponds shall be protected against erosion, washout and flooding from a flood having a predicted frequency of once in 100 years.
6. Waste discharged through leach lines into the soil shall be kept below ground surface.

B. Prohibitions

1. There shall be no bypass or overflow of waste to waters of the State either at the treatment plant or from the collection system.
2. The waste shall not be allowed to escape from the discharger's spray disposal area into waters of the State via surface flow, resurfacing after percolation or airborne spray.
3. The waste shall not cause degradation of any ground water so as to impair beneficial use.

C. Provisions

1. All wastewater shall be disposed of through the leach lines or spray irrigated on the brush disposal area during the period from May 16 through September 30th each year.
2. Wastewater irrigation ponding which could provide a breeding area for mosquitoes shall be prevented.
3. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code Section 13050(m).
4. The Discharger shall file with this Board a report of any material change or proposed change in the character, treatment, or volume of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, or ownership of the property.
5. The Discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.
6. The Discharger shall comply with the following time schedule to assure compliance with Provisions C.4. and C.5.

Task

Completion Date

Develop and install a means for measuring the waste flow and submit a schematic of sewerage facilities

October 1, 1979

7. The Discharger shall comply with the following time schedule to assure compliance with Prohibition B.2. and Provision C.1.

Task

Completion Date

Investigate and report on adequacy of spray disposal area. If the present area is inadequate, report on how adequate area will be provided

October 1, 1979

8. All equipment including pumps, piping and valves, storage ponds, etc. which may at any time contain wastes shall be adequately and clearly identified with warning signs and Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is wastewater and is unfit for human consumption.
9. The disposal area which is spray irrigated with treated wastewater shall be clearly identified with posted notices to the public. The method and form of notification shall be subject to the review and approval of the Executive Officer.
10. The Discharger shall comply with Standard Provision Nos. A-2, A-3, A-4, A-6, A-7, A-8, A-11, A-13, A-15, and A-17 of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on July 17, 1979.

FRED H. DIERKER  
Executive Officer

Attachment:

Standard Provisions, Reporting Requirements and Definitions - April 1977

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

THE CHRISTIAN BROTHERS

MONT LA SALLE VINEYARDS

NAPA, NAPA COUNTY

ORDER NO. 79-89

CONSISTS OF

PART A, dated 1/78

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-1	At any point where all waste is present.
E-2 thru E-4	One station in each waste holding pond at the approximate center of the pond and no less than three feet from the bank.
E-5	Somewhere in the pipe between the holding ponds and the spray irrigation lines.

B. LAND OBSERVATIONS

<u>Station</u>	<u>Description</u>
S-1 thru S-'n'	Any point at which surfacing water is ponding over tanks' leach fields.
P-1 thru P-12	At the mid points of the sides of all ponds.
P-13 thru P-n	At points spaced equidistantly around the periphery of the spray irrigation fields. Points shall be separated by less than 200 feet.

II. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

- A. The schedule of sampling, analysis and observations shall be that given as Table I.

III. MODIFICATION OF PART "A" DATED 1/78

- A. Exclusions: Paragraphs C.3, C.4, C.5.a, C.5.b, D.1, D.3, E.2, F.1, F.3.c, and F.3.g.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-89.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

Attachment:  
Table I

FRED H. DIERKER  
Executive Officer

Effective Date \_\_\_\_\_

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-1	E-2 thru E-4	E-5	All "P" Sta.	All "S" Sta.				
TYPE OF SAMPLES		G	G	O	O				
Flow Rate (mgd)	D								
pH		2W	M						
Sulfides Total & Dissolved (mg/l)		2W	M						
Dissolved Oxygen (mg/l)		2W	M						
BOD, 5-day 20°C (mg/l)			M						
Coliform Organisms (Total & Fecal) (MPN/100 ml) (2)					2W				
All Applicable Standard Observations (1)		2W		2W	2W				

LEGEND FOR TABLE

G = Grab sample  
O = Observation

D = Daily  
W = Weekly  
2W = every two weeks  
M = Monthly

- (1) The minimum freeboard in the ponds shall be recorded. If waste within the ponds should overtop the pond dikes, it shall be listed as a bypass and a bypass report must be submitted.
- (2) Sampling may be discontinued after the first sample of the wet season if sewage is not being discharged to leach lines and MPN of coliform in first sample was low.